



2006 "VOLUNTEERS WORKING WITH INVASIVES" GRANTS REPORT FORM

Display Report

PROJECT BACKGROUND INFORMATION

Project Title:	Managing Invasive Species along McDowell Marsh Educational Trail	
Region: Use region number ONLY	1	
Station:	Little Pend Oreille NWR	
Contact Person: Name and Phone Number	Lisa Langelier 509-684-8384	
Project Description: (Up to 250 words)	During spring of 2006, Friends of LPO Refuge began development of an educational trail from LPO River Camp to McDowell Lake and around McDowell Marsh. This trail project presented a good opportunity to involve many people in habitat restoration of an area that will, once developed, be highly visible to many people. It also offers a way to involve young and old volunteers who may not be physically able to do the heavy lifting associated with trail development and presents a unique educational opportunity to discuss invasive terrestrial and aquatic plants and their impacts on refuge ecosystems with visiting students. Friends of LPO Educational Trail proposal bisects an area of approximately 50 acres and includes 1.2 linear miles of existing dirt road, a user-developed trail, and undisturbed dry forest habitat. Volunteers pulled and dug weeds, clipped seedheads and released biological control agents. They focused on removing knapweeds, hawkweed, and St. Johnswort growing adjacent to the developing trail. This effort will ultimately enhance future visitors experience and assist refuge staff with weed eradication.	
List of Invasives Species Targeted:	Common Name	Scientific Name
	yellow devil hawkweed	<i>Hieracium floribundum</i>
	diffuse knapweed	<i>Centaurea diffusa</i>
	spotted knapweed	<i>Centaurea biebersteinii</i>
	dalmation toadflax	<i>Linaria dalmatica</i>
	yellow hawkweed	<i>Hieracium pratense</i>
	sulfur cinquefoil	<i>Potentilla recta</i>
	bull thistle	<i>Cirsium vulgare</i>
	Canada thistle	<i>Cirsium arvense</i>
	St. Johnswort	<i>Hypericum perforatum</i>
Project Status:	In Progress	
Project Completion Date	09/01/2008	

or Estimated Completion Date: (mm/dd/yyyy)

VOLUNTEER INFORMATION

Volunteer Affiliation: (Check all that apply)	VA_FriendsGrp	VA_Other
Volunteer Involvement: Describe the type of work the volunteers performed. (Up to 150 words)	Volunteers were provided with a short training in weed identification and safe removal methods. They used manual methods to manage weeds. Tools used included forks, trench shovels, and weed hounds. Volunteers removed and bagged all weeds within 10 x 10 ft. quadrants that were surveyed and GPS'ed. Seed heads were clipped from all weeds along the road.	
Total Number of Volunteers:	20	
Total Number of Volunteer Hours:	234	
Partnerships: List both new and existing partnerships utilized in this project. (Up to 150 words).	Friends of LPO, Northwest Youth Corps provided support in this effort. Attempts were made to involve scouts and church groups but most already had firm summer plans when they were contacted in June.	

PROJECT RESULTS

Project Results: Give an overview of the results of the project. Include quantifiable measure of success, such as maps produced, efficacy of control measures, number of sites where invasions were detected early and responded to, number of community contacts, etc. (Up to 250 words).	The weed coordinator was hired through the STEP program in late May and began work evaluating the weed community, developing weed training, and recruiting and working with volunteers. The coordinator wrote several articles seeking help; distributed fliers to local businesses and libraries; and contacted scout and church group leaders seeking volunteers. Since the project started in late May, it was difficult to get many volunteers. The coordinator worked diligently and discovered that the refuge had a Class A weed - yellow devil hawkweed (eradication required by law) as well as several native hawkweeds. She and the volunteers removed all weeds from the McDowell Lake dike (~1 acre) and along .3 miles of the trail. 12 maps of weed populations and weed control areas were produced and priorities identified for future years.
Number of Acres Treated:	~ 8
Number of Acres Inventoried and/or Mapped:	50
Number of Acres Restored:	1

BUDGET INFORMATION

Budget: Account for funds in broad categories such as equipment, volunteer stipends, travel, coordinator salary/contract, etc.

Total Grant Amount:	\$ 4,500
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Breakdown of Expenditures:

Category	Total \$ Spent	% of Total Grant
Equipment / Supplies	\$453.36	10%
Chemical		
Biocontrol Agents		
Travel		
Volunteer Stipends		

Volunteer Coordinator Salary/Contract	\$4006.64	89%
Restoration Materials		
Other		
TOTAL	4,500	100%

Recommendations: (OPTIONAL)

How useful was this program for meeting refuge invasive species objectives and how can it be improved?

This was a very labor intensive project that needed hundreds of hands to make a difference, versus the reliable 6 or 8 we had. We plan to seek prison crews and community service volunteers for future work and start earlier in the year recruiting volunteers.

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